Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/19/2022 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124601	-1	1.34	124547	1.33
Blue	F	SSC	125000	122823	-2	2.40	123310	2.31
Blue	E	FITC	13602	13212	-3	2.26	370	13.85
Blue	D	PE	24891	24524	-2	1.66	585	10.22
Blue	B	PerCP-Cy5-5	33972	33179	-3	2.92	948	14.65
Blue	A	PE-Cy7	22865	22884	0	4.92	475	30.55
Red	C	APC	47198	46250	-3	2.65	1601	11.37
Red	A	APC-Cy7	26454	25226	-5	3.10	715	12.10
Violet	B	V450	6737	6434	-5	3.54	448	11.60
Violet	A	V500	29317	27857	-5	3.09	951	8.88

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23771	2.22	564	29	N/A	N/A	Pass
Blue	F	SSC	55195	1.95	519	-2	N/A	N/A	Pass
Blue	E	FITC	56	53.22	487	3	0.0388	51	Pass
Blue	D	PE	112	38.02	490	4	0.4166	285	Pass
Blue	B	PerCP-Cy5-5	149	41.34	583	4	0.0207	95	Pass
Blue	A	PE-Cy7	79	80.87	627	6	0.0225	5	Pass
Red	C	APC	334	26.42	572	0	0.0294	264	Pass
Red	A	APC-Cy7	132	34.00	549	-2	0.0065	1158	Pass
Violet	B	V450	76	48.71	446	-4	0.0579	2615	Pass
Violet	A	V500	112	37.42	465	-4	0.0233	1778	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.54	-31.31	1.10
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.70	13.90 - 20.86	N/A	N/A	29.90	30.02	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12913

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments